



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D3338-1
Job Sheet 186315



Part No: D3338-1

Job Qty: 40 ea

Part Name: Mounting Lug



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/14/18

Job Tracking No:

Due Date: 11/28/18

Created By: Marie Lajeunesse

Type: ~~SOLD~~ *SH* *12/20/2018*

Description:

Note: DWG REV A IPP: A 05.02.09 New issue KJ/JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	40 Ea	11/28/18	11/28/18	0.00	0.00	Start Up Container		<i>DEC 17 2018</i>
110	Purchasing	40 pcs	11/28/18	11/28/18	0.00	0.00	Purchasing		<i>DEC 17 2018</i>
120	Packaging	40 pcs	11/28/18	11/28/18	0.00	0.00	Packaging2		<i>DEC 17 2018</i>
130	QC	40 pcs	11/28/18	11/28/18	0.00	0.00	QC6		<i>60</i>
140	HandFinish	40 pcs	11/28/18	11/28/18	0.00	0.69	HandFinish1		<i>9-89</i>
150	QC	40 pcs	11/28/18	11/28/18	0.00	0.00	QC7-2		
160	Powdercoat	40 pcs	11/28/18	11/28/18	0.00	0.32	Powdercoat1		
170	QC	40 pcs	11/28/18	11/28/18	0.00	0.00	QC3		
175	Packaging	40 pcs	11/28/18	11/28/18	0.00	0.00	Packaging3-1	<i>51527</i>	<i>01/09/19</i>
180	QC21-SA	40 Ea	11/28/18	11/28/18	0.00	0.00	QC21		<i>21 JAN 09 2019</i>

Part Op 110 - Issue PO *041476* 1- Check for extrusion defects while loading into the machine 2- Machine as per Folio
Descriptions: FA506 and Dwg D3338

150 - START TIME: _____

NOV 15 2018 = 40 Al

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2423	Lug Extrusion	2.8000 ft (.07 ea)	90-Start up Operation	<i>5137804</i>
D3338-1P	Mounting Lug	40 pcs (1 ea)	90-Start up Operation	<i>5137803</i>

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	D2423	3	240	0
	D3338-1P	40	0	0

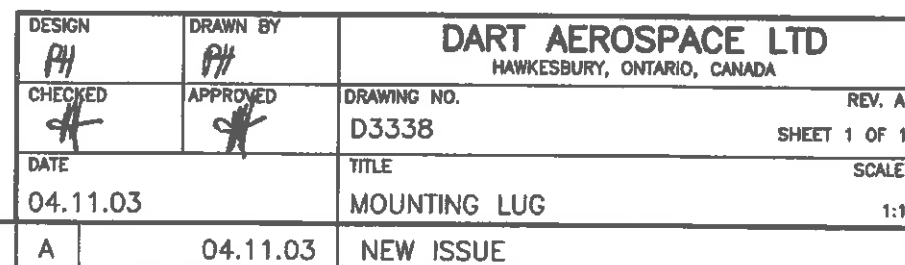
Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Mounting Log	4.450inches ± 0.010	4.460 4.440		
2	Mounting Log	0.306inches ± 0.010	0.316 0.296		
3	Mounting Log	2.200inches ± 0.030	2.230 2.170		

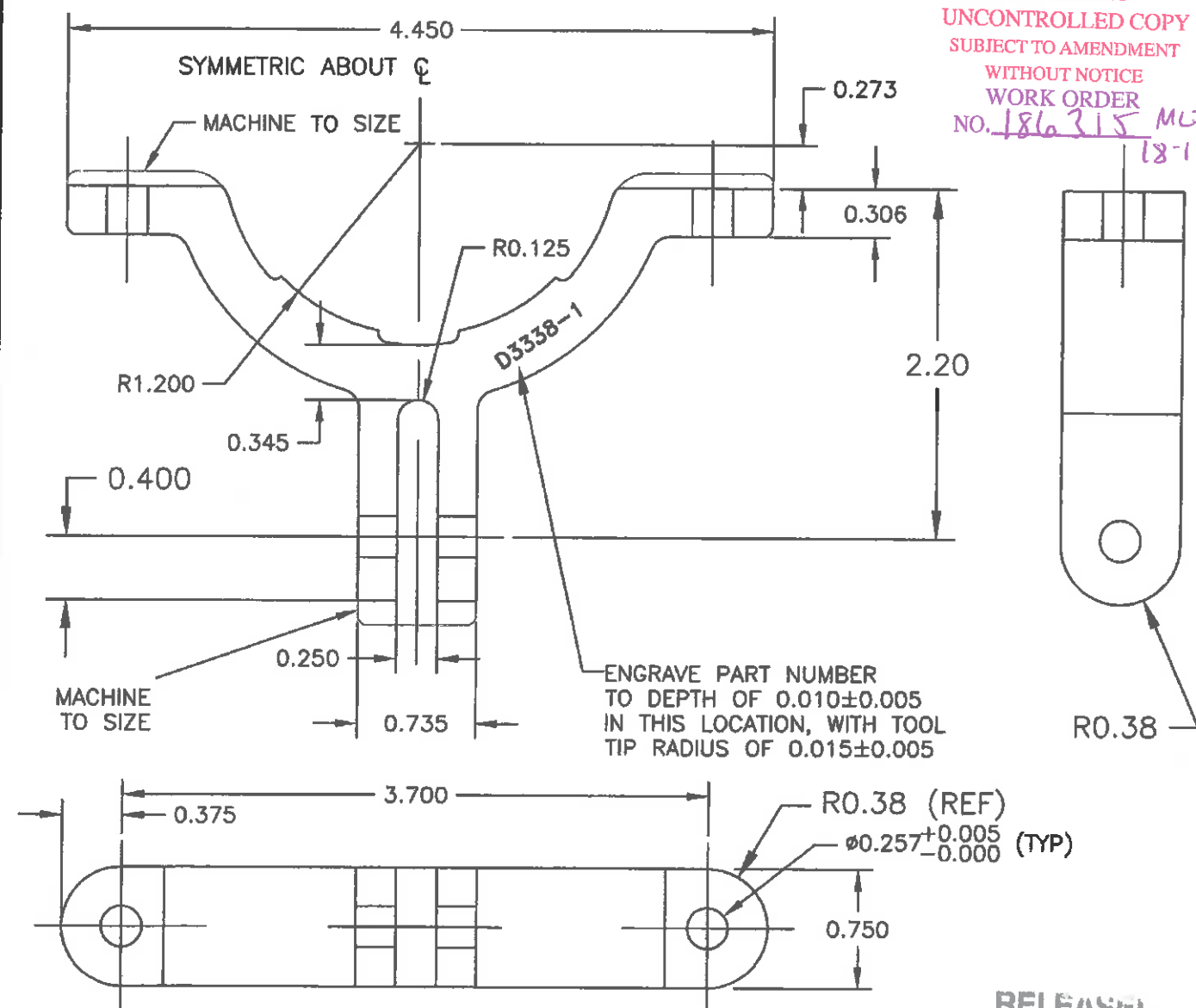
P.T.O.

4	Mounting Log	0.735inches ± 0.010	0.745 0.725
5	Mounting Log	0.250inches ± 0.010	0.260 0.240
6	Mounting Log	0.400inches ± 0.010	0.410 0.390
7	Mounting Log	1.200inches ± 0.010	1.210 1.190
8	Mounting Log	3.700inches ± 0.005	3.705 3.695
9	Mounting Log	0.375inches ± 0.010	0.385 0.365
10	Mounting Log	0.750inches ± 0.010	0.760 0.740
11	Mounting Log	0.257inches + 0.005 - 0.000	0.262 0.257

Plex 11/14/18 8:52 AM Dart.lajeunesse.marie



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 186315 ML5
18-11-14



1) MAKE FROM EXTRUSION D2423
2) BREAK ALL EDGES 0.000-0.015
3) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
4) ALL DIMENSIONS ARE IN INCHES
5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

RELEASE

04.12.16

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO041746

Supplier: MEM001-VC Metec Metal Technology Inc. 20 Terry Fox Drive PO Box 781 Vankleek Hill ON K0B 1R0 Canada Phone: 613 678 3957 Fax: 613 678 3956	PO No: PO041746 PO Date: 11/15/18 Due Date: 12/20/18 Purchase Order Revision: Revision Date: Ship-To Contact: Phone:
Attention: Walz, Shigi	Via: Ground Pymt Terms: Net 60 Freight Terms: Special Comments:
Ship To: 1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	

Items													
Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	186313	D2230-1P			Lug As Per Dwg D2230 Rev. G Alodine and Paint as per QSI 005	Firmed	-	12/20/18	200 pcs	0 pcs	200 pcs	\$17.40/pcs	\$3,480.00
NOV 21 2018													
SHIP ASAP NO PAINT REQUIRE													
2	186314	D2230-3P			Lug As Per Dwg D2230 Rev. G Alodine and Paint as per QSI005	Firmed	-	12/20/18	200 pcs	0 pcs	200 pcs	\$14.90/pcs	\$2,980.00
DEC 17 2018													
SHIP ASAP NO PAINT REQUIRE													
3	186316	D3910-1P			Crosstube Lug : Various STC's As Per Dwg D3910 Rev. E Alodine and Paint as pe QSI 005	Firmed	-	12/20/18	20 pcs	0 pcs	20 pcs	\$17.40/pcs	\$348.00
NOV 21 2018													
PLEASE SUPPLY PAINTED													



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1270 Aberdeen St
Hawkesbury, ON
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Canada

Tel (613) 632-5200

PURCHASE ORDER
PO041746

Items													
Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	186317	D3910-3P			Crosstube Lug : Various STC's As Per Dwg D3910 Rev. E Alodine and Paint as Per QSI 005	Firmed	-	12/20/18	24 pcs	0 pcs	24 pcs	\$17.40/pcs	\$417.60
24 X NOV 27 2018													
Line Item Note SHIP ASAP NO PAINT REQUIRE													
5	186315	D3338-1P			Mounting Lug : Various STC's receive pcs REV A	Firmed	-	12/20/18	40 pcs	0 pcs	40 pcs	\$20.60/pcs	\$824.00
40 X DEC 17 2018													
Line Item Note PLEASE SUPPLY PAINTED													
Grand Total:												\$8,049.60	

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

- Procurement Quality Clauses
- A005 RIGHT OF ENTRY
 - A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
 - A012 CHEMICAL AND PHYSICAL TEST REPORTS
 - A016 PERSONNEL QUALIFICATION
 - A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
 - A026 CERTIFICATION OF MATERIAL CONFORMANCE
 - A041 QUALITY MANAGEMENT SYSTEM
 - A042 DART NOTIFICATION BY SUPPLIER
 - A043 RETENTION OF QUALITY DOCUMENT
 - A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
 - A049 SUPPLIER AWARENESS

Plex 11/19/18 11:56 AM dart.Lussier.Patrick

DAS
63
9-89

Packing List

Bill Dart Aerospace Ltd.
To: 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 Canada

Ship Dart Aerospace Ltd.
To: 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 Canada

Shipment No: 24381	Customer Code: DART
Shipment Date: 12-Dec-2018	Phone: (613) 632-9577
Ship Via: Pick up at METEC	PO Number: PO041746 ✓
Order Number: 3192	
Order Date: 11/16/18	Terms: Net 60 Days

Quantity									
Item	Open	Shipped	B/O	Canceled	Unit	Description	Revision	Job	Number
2	200	200 ✓	0	0	EA	DART-D2230-3P Mounting Lug alodined and painted as per QSI005	G		3192-02
5	40	40 ✓	0	0	EA	DART-D3338-1P Mounting Lug alodined and painted as per QSI005	A		3192-05

The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.

Received In Good Order By _____



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0
Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity	Part Number	Part Name	Material Batch #	Paint Batch #	P.O. Number
200	D2230-3P	Mounting Lug	B101186	30539/30654	PO041746
40	D3338-1P	Mounting Lug	B101186	30600	PO041746

DAS
63
9-89

MATERIAL: supplied by DART

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.


Shigi Walz

Vankleek Hill, December 12, 2018

DQA:

Date: _____

QA Closed:

Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

Work Order update only



Work Order: 186315		DISPOSITION		AGAINST DEPARTMENT/PROCESS			
Part No. 03338-1		Rework ☒ Scrap ☐ Use-as-is ☐		Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐			
NCR No. 19-7329		Suspected Unapproved		Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐			
Date: JAN 02 2019		Step #: 130		QTY Effective: 5			
Description Work Order Deviation		Disposition					
- 4 PARTS ARE OVERPAINTED OR WERE NOT PROPERLY CLEANED, RESULTING IN BUBBLES ON PAINT NUMBER LOCATION. - 1 PART HAS A RED MARK.		DAS 68 9-89		- SAND BLAST AND RE-POWDER COAT IN HOUSE			
MRB (QSID42) Approval DAS 9 9-89 19-01-04		D/Completed By 68 JAN 04 2019		Lead hand / Supervisor Approval Verification 19-07-17			
QC / QA Coordinator Approval DAS 9 9-89 19-01-04							
Root Cause		Pressure/Forced		FAULT CATEGORY			
Environment		Bending		Temperature/Cure			
Design		Centre Not Concentric		Set-up			
Doc/Data		Cracks		BOM/Route			
Equip/Tooling		Crimp/Kink/Ripple/Wave		Broken/Damage/Defect			
Handling/Pre		Cuffs		Inspection Incomplete/Unqualified			
Material		Crushing		Contamination			
Internal Transport		Heat Treat		Countersink			
Tribal Knowledge		Wave/Twist in Tube		Cut Too Short			
LOA		Marks/Chatter		Instructions Incomplete/Unclear			
Substation				Drill Holes			
Past Expiry Date							
Misidentified							
		OTHER:					